



The Lead Post

"All parents want the same thing for their children that I want for my three daughters—the opportunity to grow up healthy and achieve their full potential. HUD and our community partners are protecting thousands of poor children from being robbed of these opportunities by lead poisoning and other home hazards."

—Secretary Andrew Cuomo



HUD News Flashes

New Requirements Target Federally-Owned and Assisted Housing

HUD has issued a new regulation to protect young children from lead hazards in housing that is financially assisted or sold by the federal government. The regulation, "Requirements for Notification, Evaluation and Reduction of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance," was published in the Federal Register on September 15, 1999 and becomes effective on September 15, 2000. Since November 15, 1999, certain methods of paint removal that are known to be dangerous have been prohibited. The requirements apply to housing built before 1978, the year lead-based paint was banned nationwide for residential use. The new regulation appears within title 24 of the Code of Federal Regulations as part 35 (24 CFR 35).

HUD estimates that the regulation will affect about 2.8 million housing units and will protect more than two million children from exposure to lead during its first five years.

For copies of the regulation and answers to general questions, call 1-800-424-LEAD, or TDD (800) 526-5456 for the hearing impaired, or visit our website at www.hud.gov/lea. For further information, you may call HUD at (202) 755-1785, ext. 104, or e-mail HUD at lead_regulations@hud.gov.

HUD's SuperNOFA 2000 includes \$67 million in grants through the Office of Lead Hazard Control

HUD's SuperNOFA (Notice of Funding Availability) was published Thursday, Feb 24, 2000 and includes funding for the following programs:

Lead Research: to improve methods for detecting and controlling residential lead-based paint hazards (approximately \$1.5 million is available).

Healthy Homes: to correct multiple safety and health hazards in the home environment which produce serious diseases and injuries in children (approximately \$6.5 million is available).

Lead Hazard Control: to identify and control lead-based paint hazards in privately-owned low-income housing (approximately \$59 million is available).

The due date for all three is May 17, 2000. Call the SuperNOFA Information Center at 1-800-HUD-8929 to receive a copy of the application kit, or visit www.hud.gov/lea.

Federal Task Force Announces Plan to Eliminate Lead Hazards in Housing by 2010

President's Budget Includes a 50% Increase For HUD's Lead Hazard Control Grant Program

Under Executive Order 13045, a multi-agency task force, including HUD, the Centers for Disease Control and Prevention, the Environmental

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Introducing HUD's Healthy Homes Initiative

Lead poisoning is just one of many environmental diseases seriously affecting the nation's children. Each year, more than 2.5 million children are killed or injured by dangers in the home. HUD recently launched the Healthy Homes Initiative to protect children from home hazards. Secretary Cuomo kicked off the initiative last year with a national outreach campaign featuring TV commercials with Bob Vila, Tim Allen, and other well-known spokespersons. As part of the campaign, HUD, along with several other federal agencies, has developed the Healthy Homes brochure, called "Danger in the Home." The brochure lists 37 practical home safety tips for parents and caregivers to protect their children. It also includes several websites and toll-free numbers for more information on issues like consumer products, safe drinking water, and respiratory illnesses. Call the Healthy Homes Hotline at 1-800-HUDS-FHA for free copies of the brochure or view it at www.hud.gov. Look for HUD's Healthy Homes display at future lead, housing, or health conferences!

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HUD in Your Community

The HUD Office of Lead Hazard Control received \$10 million for Healthy Homes in fiscal years 1999 and 2000 to develop approaches that simultaneously address multiple housing-related childhood health hazards. Of the 1999 funding, \$4 million was directed to addressing moisture and mold in inner-city communities where toxic mold exposure was linked to acute lung bleeding and death in infants. These funds were awarded in September 1999 to Cuyahoga County (\$3.15 million) for the Cleveland Urban Mold and Moisture Program, and the Illinois Department of Public Health (\$850,000) for the Chicago Mold & Moisture Control Project.

In addition, HUD awarded five grants — totaling \$4.5 million — in January 2000 for more broadly defined Healthy Homes programs. The heavy response made for a highly competitive process: 52 applicants requested over \$60 million. Funds were awarded to:

- CALIFORNIA - City of Long Beach, \$495,472
- NEW YORK - Medical and Health Research Association of NYC, Inc., \$763,421
- MASSACHUSETTS - Boston Medical Center Corp., \$1,918,489
- OHIO - Environmental Health Watch, Cleveland, \$243,414
- RHODE ISLAND - City of Providence, \$1,039,204

For more information, contact Ellen Taylor, at (202) 755-1785, ext. 116 or Ellen_R._Taylor@hud.gov.

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Protection Agency, the Department of Justice, and other federal agencies issued a plan to make homes lead-safe over the next 10 years. The plan estimates that about 2.3 million housing units will require lead hazard control in the next 10 years. Efforts will concentrate on housing built before 1960, since studies show that up to 95 percent of residential lead paint is found in units of this age.

In view of the increased federal effort to address this serious hazard, the President is requesting a 50 percent increase in funding for HUD's Lead Hazard Control grant program over the 2000 level. The report is available from the National Lead Information Clearinghouse at 1-800-424-LEAD or www.hudgov/lea.

HUD's Lead Enforcement Team Cracks Down Nationally

In July, Secretary Cuomo joined Attorney General Janet Reno to announce multiple court actions of more than \$1 million against landlords who violated federal law by failing to warn their tenants that their homes may contain lead-based paint hazards. These actions, the first ever filed under the Residential Lead-Based Paint Hazard Reduction Act, include \$1 million worth of lead paint abatement, \$100,000 in fines, and \$172,000 to support community-based projects to reduce the incidence of childhood lead poisoning. The community-based projects have included training, purchasing blood lead testing devices for community health clinics, conducting education and training seminars about lead hazards, providing space (rent-free) for community health centers, and providing assistance to community groups for outreach activities. In addition, HUD has investigated 81 cases for compliance in 23 cities.

The cases involve properties known to have either lead poisoned children or lead-based paint; HUD-assisted housing which has otherwise been identified as physically or financially troubled; referrals from State and local health and housing departments; and referrals, tips and complaints by callers to the National Lead Information Center (1-800-424-LEAD).

Together, these cases signal the Administration's stepped up effort to protect children from exposure to lead in thousands of units across the U.S.A. The nationwide enforcement effort involves the cooperation of Department of Justice, HUD and the Environmental Protection Agency.

HUD is working with local officials in all 50 states to bring cases against landlords who fail to comply with the law. Already, U.S. Attorneys' offices across the country have received a packet of information on how to investigate and prosecute similar cases.

Section 1018 of the Residential Lead-Based Paint Hazard Reduction Act of 1992 requires sellers, landlords and agents to provide purchasers and renters of pre-1978 housing with a federally approved lead hazard information pamphlet and to disclose known lead-based paint and/or lead-based paint hazards before a person is obligated under a sales or lease contract to ensure that parents are aware of any problems or potential problems that may exist in dwellings they are about to occupy.

For more information, contact Matthew Ammon at (202) 755-1785, Matthew_E_Ammon@hud.gov.

HUD Awards \$56 Million for Lead Hazard Control

Secretary Cuomo awarded \$56 million in grants last October to protect thousands of children and their families from the health hazards of lead-based paint in low-income housing.

President Clinton said: "As America's children begin their exciting journey into the 21st century, one of the greatest gifts we can give them is a healthy start. Sadly, however, many children face needless obstacles to healthy development in their own homes. Among the most devastating of these obstacles is lead poisoning."

The Lead Hazard Control grants were awarded to:

- ARIZONA - Phoenix, \$2.9 million.
- CALIFORNIA - State, \$4 million. San Diego County, \$1 million.
- COLORADO - Denver, \$1 million.
- CONNECTICUT - Norwich, \$3.4 million. Manchester, \$1 million.
- DELAWARE - State, \$2.7 million.
- ILLINOIS - State, \$2 million. Chicago, \$4 million. St. Clair County, \$2.8 million.
- MARYLAND - Baltimore, \$2.9 million. Prince George's County, \$1 million.
- MASSACHUSETTS - State, \$1 million. Lowell, \$2 million. Cambridge, \$2.8 million.
- NEBRASKA - Omaha, \$2 million.
- NEW JERSEY - Hudson County, \$3.5 million.
- NEW YORK - Albany, \$4 million. Syracuse, \$4 million.
- OHIO - Toledo, \$1 million. Mahoning County, \$2.9 million.
- WISCONSIN - State, \$4 million.

To date, HUD has awarded \$492 million through 152 grants to 104 grantees in 34 States and the District of Columbia. The grants will create nearly 50,000 lead-safe homes for young children and their families.

For more information, contact Ellis Goldman at (202) 755-1785 ext. 112 or Ellis_G_Goldman@hud.gov.

Manchester, CT Lead Abatement Project Wins HUD Best Practice Award

The Manchester, CT Lead Abatement Project (LAP) received HUD's national "Best Practices" Award, during the HUD 1999 Building a Better Tomorrow Symposium in Kansas City, MO.

In making the award, Secretary Cuomo praised the many unique features of the Manchester LAP which contribute to the effectiveness of its operation. For example, the program assists first time homebuyers by working with financial organizations to permit lead abatement work to be used as a part of equity value in properties. The LAP works closely with the Job Training Partnership Act (JTPA) program to train and employ low-income individuals in the construction and lead abatement field. The program also has an insurance pool for general construction contractors who are unable to purchase lead pollution insurance.



Left to right: HUD Deputy Secretary Saul Ramirez; Hanna Marcus, Director of Human Services for the Town of Manchester, CT; Sue Heller, Project Administrator, Manchester, CT Lead Abatement Project (LAP); and Mary Lou Crane, Secretary's Representative, HUD New England Office. The Manchester LAP was the first lead hazard control grantee to win a HUD Best Practices Award.

LAP Getting the Lead Out

■ LAP has provided nearly 200 families with lead-safe, affordable and healthy homes.

■ 1200 community residents have received technical assistance in reducing their risk of lead exposure.

■ 198 individuals have been trained and certified in lead abatement.

■ 1442 people have been trained to increase their job skills, employment opportunities or to maintain continuing education requirements in their field.

According to Sue Heller, LAP Administrator: "Our abatement activity has served as a catalyst for community development, making Manchester a place where people are proud to live. The accessibility of our office and dedicated staff have helped to establish the credibility and trust, which is necessary to ensure our continued success."

For more information contact Susan Heller, Project Administrator, (860) 647-3288.

Chicago Celebrates Lead Awareness Week

The Chicago Department of Public Health (CDPH) Lead Program celebrated National Childhood Lead Poisoning Prevention Week October 25th-29th throughout the city of Chicago. The Lead Program set up lead awareness tables at eight neighborhood clinics in Chicago. The lead case managers provided lead prevention education through questionnaires, presentations, literature, and childhood games. Visual aids were used to demonstrate household cleaning techniques to reduce lead exposure. Due to the high lead poisoning rates on the South and West Sides of the City, lead testing sites were arranged at two community-based organizations in these areas. The events included free lead testing and lead prevention seminars to teachers, parents, volunteers, and lead prevention advocates. Over 700 families participated in the lead prevention events citywide.

CDPH has a hotline available for more information about lead poisoning (312) 747-LEAD.

For more information, contact Allecia Alexander, at (312) 746-7824.



The Chicago Department of Public Health Lead Program celebrated National Childhood Lead Poisoning Prevention Week with free lead testing and lead prevention seminars.

Lead-Safe Cambridge "Safer Soil Pilot" Receives National Award

In September, 1999, the Lead-Safe Cambridge (LSC) Safer Soil Pilot Program was recognized by the American Society of Landscape Architects (ASLA) for its innovative approach to addressing lead in residential soil.

Through the safer soil project, LSC combines financial and technical assistance for owners and pro-





Barry Starke, left, President of the American Society of Landscape Architects, presents a National Merit Award to City of Cambridge, MA employees Ann Cooper Stroobant, middle, Landscape Planner for Lead-Safe Cambridge, and Peggy Hegarty-Steck, Program Manager for LSC.

LSC Getting the Lead Out

- LSC has deleadaded 308 units.
- 26 properties have received safer soil landscaping.

motes “property beautification,” to encourage owners to implement low-cost voluntary measures at little cost. According to Landscape Planner Ann Cooper Stroobant, “our focus is to offer landscape alternatives which meet lead-safe standards while preserving more green, open space in Cambridge neighborhoods. We assist people in coming up with attractive yet low cost and low maintenance solutions to bare leaded soil, as alternatives to paving.”

LSC provides grant support for design implementation as well as soil sampling to those who have had their homes deleadaded through Lead-Safe Cambridge. LSC offers reimbursement between \$2,000 to \$6,000 to property owners for utilizing LSC recommendations to remediate potential yard hazards.

Residents wishing to participate in the program sign an agreement with LSC to have their soil tested for lead after deleadading of unit(s) has been completed. Soil is then sampled from driplines, play areas, gardens, walkways, and other bare areas where appropriate. Next, these samples are sent to a state lab for analysis.

LSC reviews the results and then informs property owners and tenants of the lead levels found in their yards. If the test results exceed EPA recommended levels for lead, LSC’s landscape planner works in conjunction with owners and tenants to design attractive, usable lead-safe urban yards. Ms. Stroobant provides plans, details, product recom-

mendations, and cost estimates. Involving residents in the design and construction of their yard creates a sense of ownership, community, and most importantly, safety for children.

City Manager Robert Healy said “We are extremely honored to receive such a prestigious award from the ASLA. Our team has worked very hard to develop and implement this unique project on behalf of Cambridge residents. Safer Soil is a win-win -- it helps residents address the danger of lead in soil while also improving the aesthetics of their property.”

For more information contact Peggy Hegarty-Stack, at (617)-349-6010.

The State of Michigan Releases New Booklet “Coping with Your Child’s Diagnosis of Lead Poisoning”

The Michigan Department of Community Health/Lead Hazard Remediation Program (LHRP) has published a new booklet to help parents identify and understand the emotions associated with their child’s diagnosis of lead poisoning and guide parents to take positive steps towards child care.

The booklet was first promoted in October as Michigan’s contribution to National Lead Week. In partnership with HUD’s Campaign for a Lead-Safe America, it was sent to many state and local lead poisoning prevention programs nationwide. LHRP staff, along with Margaret Sauser of United Parents Against Lead, created the nationally recognized booklet.

LHRP Getting the Lead Out

- 329 homes have been abated. The efforts have directly improved the lives of at least 269 children who now live in lead-safe homes.

- 32 abatement contractors have been certified, 19 of whom are eligible to bid and perform abatement on housing units included in the HUD projects.



For more information contact the LHRP, at (517) 335-9390.

Other News

HUD Research

The wheel of progress of HUD-sponsored research activities continues to roll, and results are coming in! HUD continues to fund new research through competitive grants, interagency agreements, and contracts. The overall goal of the research is improving the efficacy and cost-effectiveness of lead hazard assessment and control practices. Research results will be used to improve and update HUD guidance materials (for example, HUD's Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing) and for improving strategies for implementing HUD's lead regulations. Once each research project is completed, we make the results available to the public as quickly as possible, such as through issuing reports from the Office, publishing technical papers in the peer-reviewed literature, and reports in trade magazines.

Below is a list of HUD-sponsored research that will be completed this calendar year. As projects are completed, abstracts will be posted on the OLHC website (www.hud.gov/lea), along with information on how a full report or reprint can be obtained. Stay tuned!

Effectiveness of Lead Hazard Control Interventions

■ National Evaluation of HUD Lead Hazard Control Grant Program (National Center for Lead Safe Housing)

Assesses the efficacy of a wide range of interventions conducted by 14 state and local government recipients of round one and two HUD lead hazard control grants. All units are followed up (including dust-wipes and blood-lead) at 12 months post-intervention, with a subset followed through 36 months.

■ Baltimore Repair and Maintenance Study Extension (Kennedy Krieger Research Institute)

Compares the effectiveness of three "levels" of interim controls (ranging in cost from: \$1,650 - \$7,000 per unit) applied to structurally sound inner-city Baltimore row houses. Units are followed up at a six month frequency to 5 years post-intervention with vacuum dust sampling (and dust wipes at final sampling), blood-lead, and questionnaire data.

■ Follow-up of Low Level Interim Controls (Kennedy Krieger Research Institute)

Extended follow-up (to 24 months post-intervention) dust-wipe sampling to be conducted in Baltimore homes recruited into the "Treatment of Lead-poisoned Children" (TLC) following professional cleaning with and without minor repairs.

Assessing Cleaning Effectiveness

■ New Jersey Assessment of Cleaning Techniques Study (University of Medicine and Dentistry of New Jersey)

Compares the cleaning efficacy of TSP with a HEPA vacuum vs. a nonphosphate detergent and household vacuum in homes of children with elevated blood-lead levels, and is designed to isolate any difference in the effectiveness of the two detergents. Different methods of sampling dust in carpet and upholstery will also be examined.

■ Factors Affecting the Cleaning of Lead-Contaminated Dust in Carpets (St. Louis University School of Public Health)

A laboratory study of the "cleanability" of various carpet types following conditioning with lead-contaminated dust using wet and dry vacuum methods followed by a similar study conducted in the field.

Sampling/Detection of Lead-Based Paint Hazards

■ Performance of Chemical Spot-test kits for Detecting Lead-Based Paint (National Institute of Standards and Technology; QuanTech, Inc.)

A laboratory study assessed the performance of spot-test-kits when used by trained lead professionals to detect lead at varying concentrations in manufactured paint films on various substrates. In a separate effort, a subset of these kits were tested on archived building components.

■ Use of a Portable XRF Analyzer to Measure Lead in Dust-Wipes and Soils (University of Cincinnati - dust wipes; Research Triangle Institute - soil)

Assesses the performance of a portable XRF analyzer to determine lead levels in dust wipes and soils in the field.

■ Field Study Comparing Composite and Single Dust Wipe Samples (Battelle Memorial Institute)

Compares results of side-by-side composite and single surface samples collected during risk assessment and clearance sampling by participants in

see "HUD Research" on page 7

three cities. Assesses the impact of various surface-specific lead standards for composite samples.

■ **Field Assessment of the Adequacy of Current Risk Assessment Guidelines (National Center for Lead Safe Housing)**

Assesses the ability of various risk assessment protocols to identify residential lead hazards in homes of poisoned and non-poisoned children, including combinations of different surface-specific lead loading standards.

Lead Source Identification

■ **Tracing Dust Lead to Friction Surfaces in the Home Environment (Health Science Center at Syracuse)**

Uses lead source identification methods to estimate contributions of lead from friction surfaces (e.g., windows) to lead in dust on adjacent surfaces and determine any seasonal changes in these contributions.

■ **Identification of Lead in House Dust and Blood Using Stable Lead Isotope Analysis (University of California)**

Uses stable lead isotope analysis to identify likely sources of lead in house dust and children's blood. Estimates the fraction of blood-lead originating from mobilized bone-lead stores.

■ **National Survey of Lead and Allergens in Housing (Westat)** in partnership with the National Institute of Environmental Health Sciences (allergen component)

Provides a database showing the distribution of lead-based paint, lead-based paint hazards and levels of common allergens (e.g., cockroach, dust mite) in U.S. housing.

For more information, contact Peter Ashley at (202) 755-1785 ext. 115 or Peter_J._Ashley@hud.gov.

Upcoming Events

Don't Miss These Important Events!

■ **The American Industrial Hygiene Conference and Exposition** will be held in Orlando, FL, May 20-26. This conference will include a Federal Lead Roundtable with EPA contacts and lead training tool session on various information dissemination techniques. For information, call 703-849-8888.

■ **ASTM Subcommittee E06.23**, on Lead Hazard Evaluation, Management, and Control in Buildings, will meet June 27-28 in Gaithersburg, MD. For information, call Dr. Mary McKnight at 301-975-6714.

Where to Go for More Information

Hotline Numbers

- HUD's Healthy Homes Hotline: 1-800-HUDS-FHA
- The National Lead Information Center: 1-800-424-LEAD
- EPA's Safe Drinking Water Hotline: 1-800-426-4791
- Listing of Lead Service Providers: 1-888-LEADLIST or (www.leadlisting.org)

Agency Websites

- U.S. Department of Housing & Urban Development: www.hud.gov/lea
- U.S. Centers for Disease Control: www.cdc.gov/nceh/ncehome.htm
- U.S. Environmental Protection Agency: www.epa.gov/lead
- U.S. Consumer Product Safety Commission: www.cpsc.gov

Publications

Order items by calling 1-800-424-LEAD.

- Protect Your Family From Lead in Your Home (disclosure pamphlet). Available in Spanish.
- Lead in Your Home: A Parent's Reference Guide, (comprehensive guide, 70 pages).
- Lead Paint Safety: A Field Guide for Painting, Home Maintenance, and Renovation Work, (illustrated guide, 80 pages).
- Lead-Based Paint Training Curriculum for Maintenance and Renovation Workers (only available through HUD's website).
- Eliminating Childhood Lead Poisoning: A Federal Strategy Targeting Lead Paint Hazards, (Presidents' Task Force Report, 45 pages, plus appendix).



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